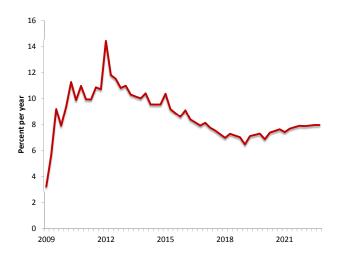
THE ROUTES INTO AND OUT OF THE ZERO LOWER BOUND

Robert E. Hall Hoover Institution and Department of Economics Stanford University

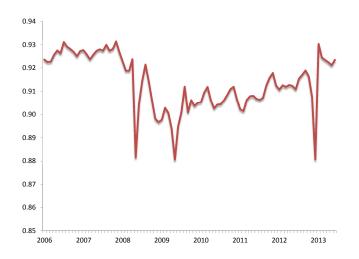
> Jackson Hole Symposium Federal Reserve Bank of Kansas City

> > August 23, 2013

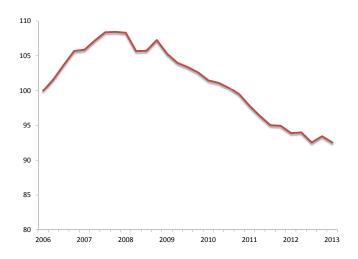
THE FINANCIAL WEDGE



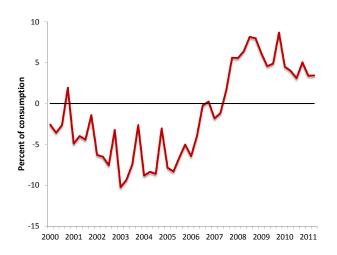
THE RATIO OF CONSUMPTION TO DISPOSABLE INCOME



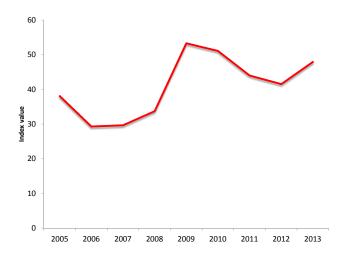
REAL HOUSEHOLD LIABILITIES



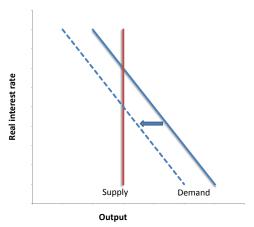
Burden of Deleveraging as a Percent of Consumption



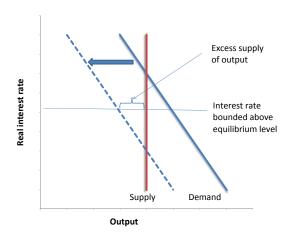
Google searches for "withdrawal penalty"



IN EQUILIBRIUM, THE REAL INTEREST RATE IS AT THE LEVEL THAT EQUATES OUTPUT DEMAND TO SUPPLY



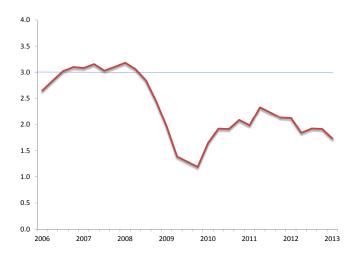
EXCESS SUPPLY OF OUTPUT WHEN THE ZLB BINDS



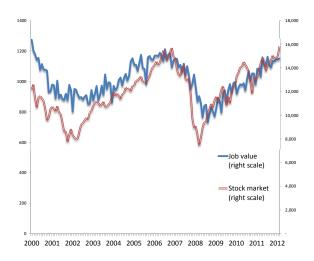
Two Measures of U.S. Inflation



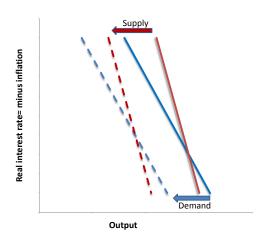
U.S. WAGE INFLATION



JOB VALUE FROM JOLTS COMPARED TO WILSHIRE STOCK-MARKET INDEX



ZLB Analysis with Shifts in Both Demand and Supply



STOCKS OF BUSINESS, RESIDENTIAL, AND CONSUMER PHYSICAL CAPITAL

